

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-105000

(43)Date of publication of application : 10.05.1988

(51)Int.Cl.

C07K 15/12
A61K 7/00
A61K 7/06

(21)Application number : 61-252702

(71)Applicant : SEIWA KASEI:KK

(22)Date of filing : 22.10.1986

(72)Inventor : YOSHIOKA KAZUNARI
KAMIMURA YOICHI
SHINTANI HIROSHI

(54) ACYLATED CASEIN-DERIVED POLYPEPTIDE OF SALT THEREOF

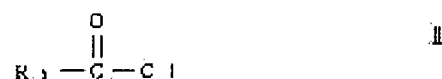
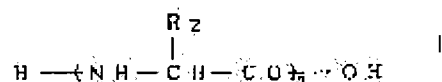
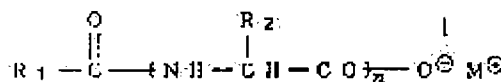
(57)Abstract:

NEW MATERIAL:A compound expressed by formula I

(R₁ is 8W20C long-chain alkyl, resin acid side chain, etc.; R₂ is side chain of constituent amino acid of casein-derived polypeptide; n is an integer of 3W20; M is H, onium of alkali metal, etc.) or salt thereof

USE: An additive for hairdressing cosmetics, e.g. shampoo, rise, etc., principal ingredient in cosmetics, e.g. lotion, etc., having excellent surface-active action and mild action as well as protecting action on the skin or hair, regenerating action on damaged hair, etc., with hardly any irritation to the skin and mucosae.

PREPARATION: For example, cow's mild casein is dissolved in an aqueous solution in a high concentration, e.g. urea, etc., and hydrolyzed with a proteolytic enzyme, e.g. pepsine, etc., at 30W45°C for 3W24hr. An acid chloride derivative of a higher fatty acid expressed by formula III is added to an aqueous solution of the resultant casein-derived polypeptide expressed by formula II which stirring at pH 8W10 to acylate the compound expressed by formula II.



LEGAL STATUS